

Claims after third AMENDMENT

1 1.(cancelled)

1 2.(cancelled)

1 3.(cancelled)

1 4.(cancelled)

1 5.(cancelled)

1 6.(cancelled)

1 7.(cancelled)

1 8.(cancelled)

1 9.(cancelled)

1 10.(presently amended) A railroad grade crossing assembly for
2 blocking access across a railroad crossing, comprising:

3 gate means connectable to a stanchion and movable between a
4 generally upright position to permit access across the railroad
5 crossing and a generally horizontal position for blocking access
6 across the railroad crossing; and

7 telescopic arm means incorporated into said gate means,
8 extensible and retractable ~~for automatically closing and opening~~
9 ~~the railroad crossing in~~ response to a control signal, said
10 telescopic arm means being movably incorporated within said gate
11 means and being selectively operable according to said control
12 signal to extend from said gate means each time said crossing
13 assembly is to block access across said crossing and retracts
14 according to control said signal each time said crossing assembly
15 is to permit access across said crossing; and

16 programmable electronic means ~~responsive to at least one of~~
17 ~~selective gate operating parameters and selective electrical~~
18 ~~signals, provides at least one output providing said control signal~~
19 ~~in response thereto~~ to said gate means to programmably control said
20 extension and retraction of said telescopic arm further at least
21 ~~one of a first gate position motion initiation~~ in response to at
22 least one of a low battery indicator signal, a listening device
23 signal, a leveling switch signal, an electric eye signal, a
24 detected angle of said gate means between a generally upright and
25 a generally horizontal second gate position, a gate position signal
26 duration, a communication of diagnostic data, ~~a communication of~~
27 ~~video data,~~ an initiation of [[a]] an electrical failure condition,
28 and the reception of electronic controller programming data.

1 11.(original) A railroad grade crossing assembly as recited in
2 claim 10, further comprising a wireless link that is coupled to
3 said programmable electronic means and is operable to receive
4 programming instructions for implementation by said programmable
5 electronic means.

1 12.(original) A railroad grade crossing assembly as recited in
2 claim 10, wherein said programmable electronic means comprises a
3 programmable logic controller coupled to one or more relays.

1 13.(previously amended) A railroad grade crossing assembly as
2 recited in claim 10, further comprising means for electronically

3 monitoring at least one of usage and status of the assembly.

1 14.(original) A railroad grade crossing assembly as recited in
2 claim 13, further comprising a wireless link that is coupled to
3 said means for electronically monitoring and is operable to receive
4 data from said means for electronically monitoring.

1 15.(original) A railroad grade crossing assembly as recited in
2 claim 13, further comprising a wireless link that is coupled to
3 said means for electronically monitoring and is operable to
4 transmit data generated by said means for electronically monitoring
5 to a remote monitoring station.

1 16.(previously amended) A railroad grade crossing assembly as
2 recited in claim 13, further comprising one or more cameras for
3 visually monitoring at least one of the assembly and the area
4 around assembly.

1 17.(previously amended) A railroad grade crossing assembly as
2 recited in claim 10, wherein at least one of said gate means and
3 said telescopic arm means includes lights that incorporate a
4 bulletproof material.

1 18.(previously amended) A railroad grade crossing assembly as
2 recited in claim 10, wherein at least one of said gate means and
3 said telescopic arm means includes lights and a bulletproof

4 covering for protecting said lights.

1 19.(original) A railroad grade crossing assembly as recited in
2 claim 10, further comprising an electric motor for extending and
3 retracting said telescopic arm means, and wherein said programmable
4 electronic means is operable to control said motor.

1 20.(original) A railroad grade crossing assembly as recited in
2 claim 19, wherein said motor is coupled to said telescopic arm
3 means through a clutch that is released upon failure of said
4 motor's power supply.